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SPECIALIZED EQUIPMENT WITH THE BEST QUALITY PRICE

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GML

INDO KOMPRESI PT



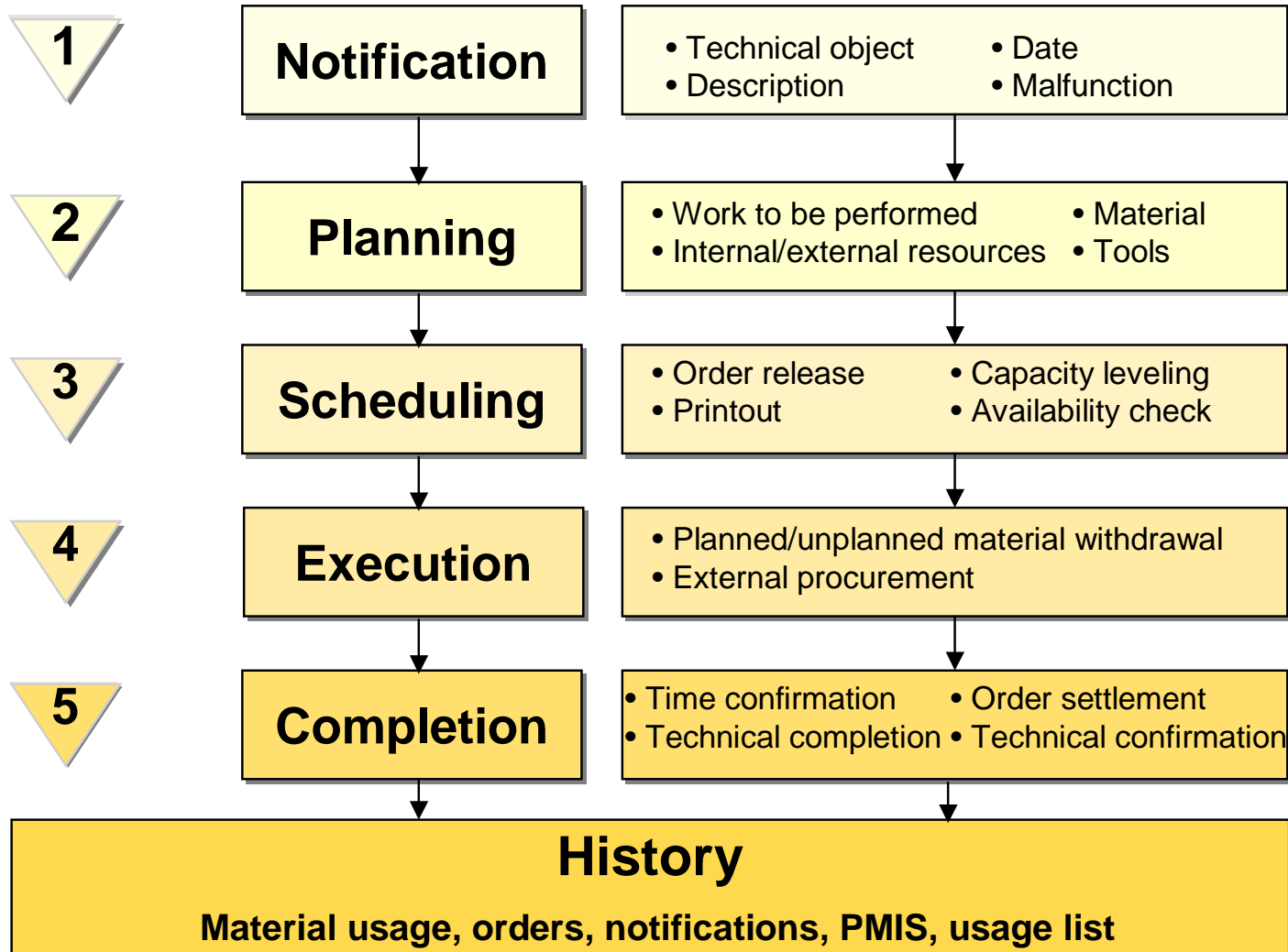
MAINTENANCE ORDER PROCESSING



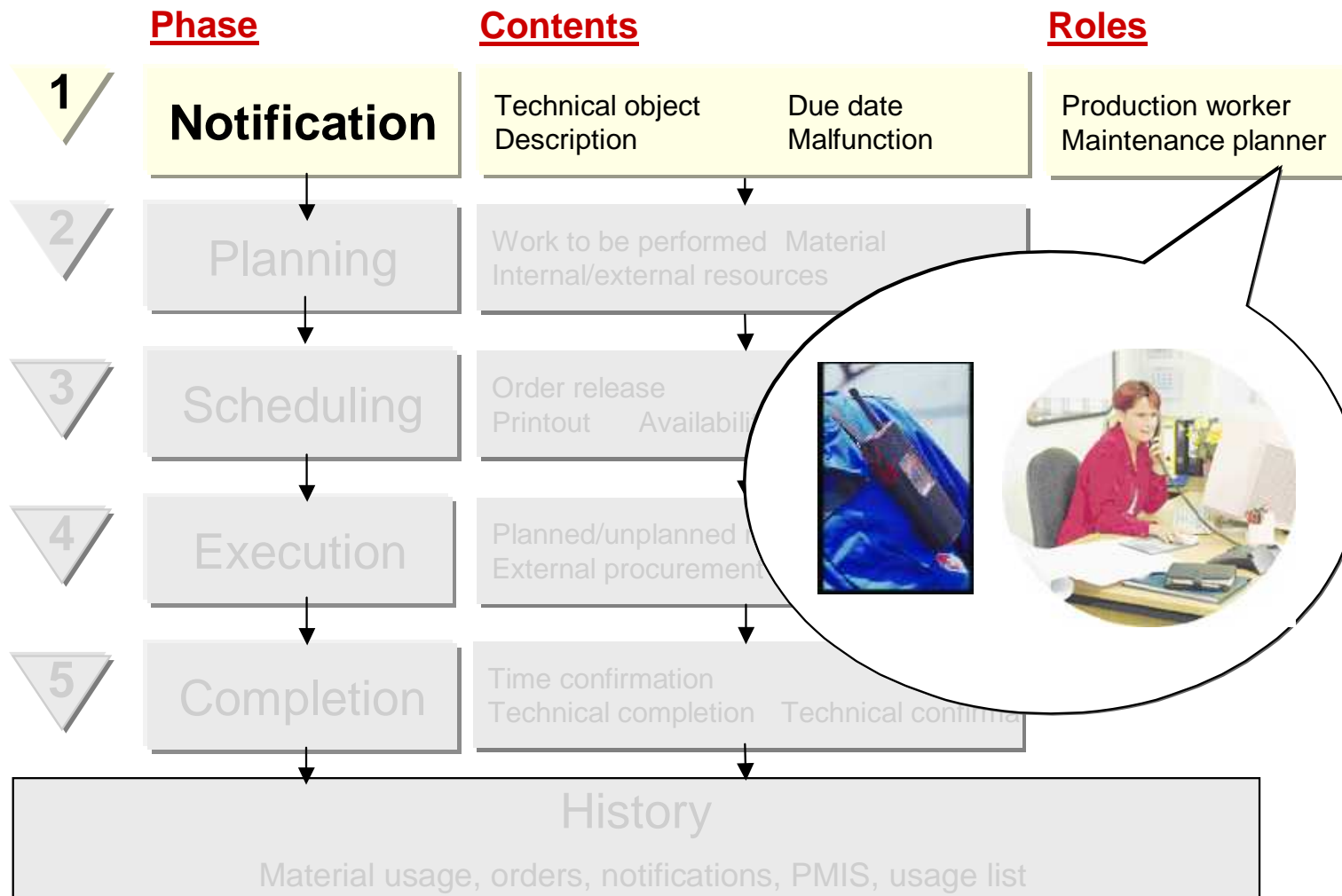
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Maintenance Process



Notification





Notification

- 1. Maintenance Notification

a. Notification Type

Describes the condition of a maintenance object, particularly a malfunction



Malfunction report

Describes a maintenance activity already performed (purely technical documentation)



Activity report

Requests a maintenance service/task



Maintenance request

1. Intimation of problems – what, when, how, who, which and why
2. Recording technical aspects of repair – date, Problems code or causes, who repaired.
3. Can be originator of maintenance order

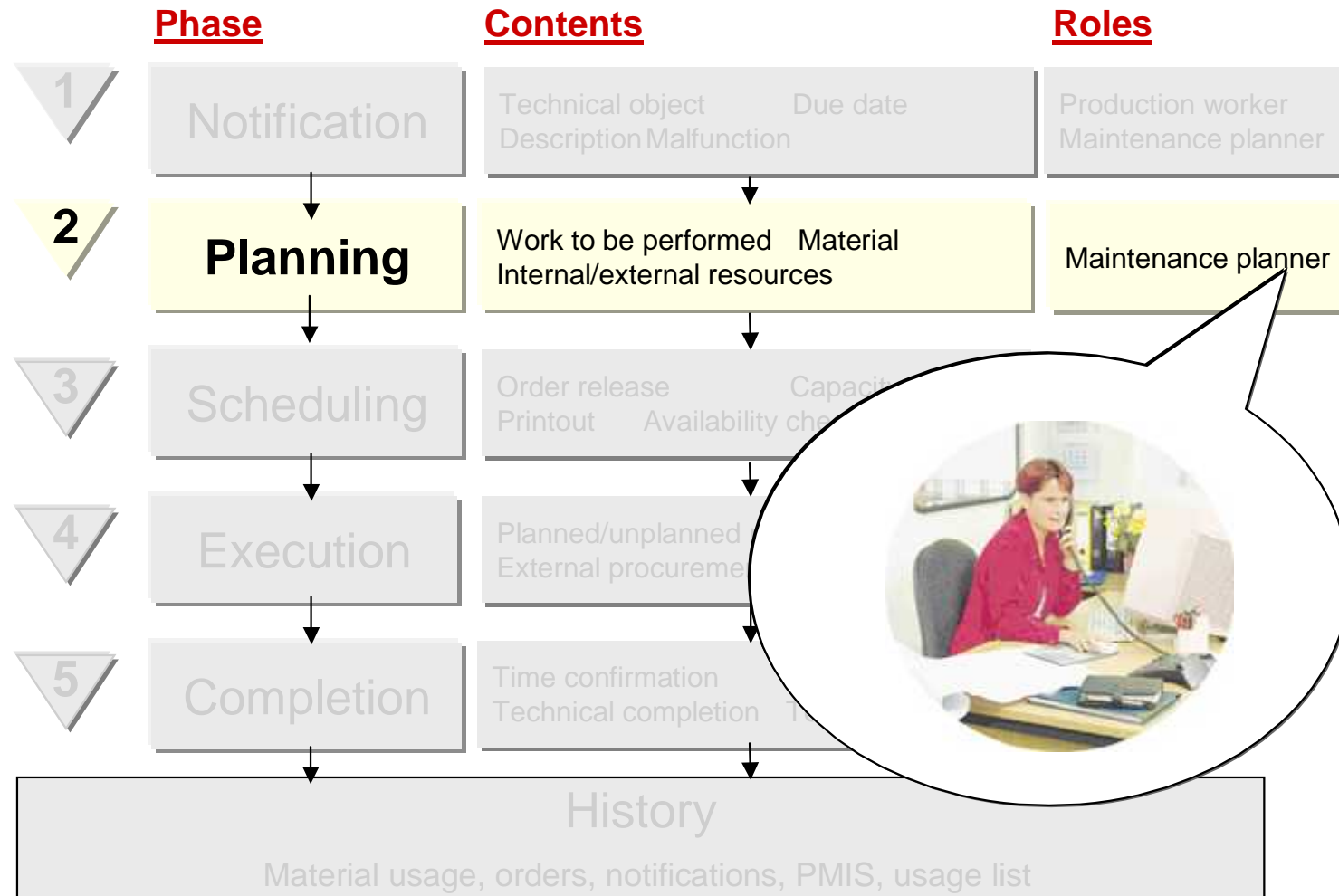




Notification Type

Notification Type	Description	Function
Z1	Maintenance Request	To document maintenance request
Z2	Malfunction Report	To inform maintenance department about machine problem and request a maintenance
Z3	Activity Report	To document activity done to an object
Z4	Fleet Notification	To request and book vehicle for rent
Z5	Insurance	Insurance claim documentation







Maintenance Order Creation

Maintenance Order

→ Perintah kerja pelaksanaan suatu aktivitas

Information from Maintenance Order

- Detail processing and activity
- Location and Work Centre/working area used
- Cost
- Person responsible
- Maintenance object (ex: mobil avanza 1500 cc)
- Planning date and actual date of maintenance (duration)
- Functional location/Site maintenance
- Component used (ex: spare part)
- Cost center

Display Maintenance Order - MR 200078: Central Header

Order: ZPM1 0078 Ban Bocor
 Sys.Status: REL GMPS MANC PRC SETC

HeaderData Operations Components Costs Partner Objects Additional Data Location PI

Person responsible:
 PlannerGrp: 123 / D002 Planner D002
 Mn.wk.ctr: YAN.Y / D002 Mechanic
 Driver:
 Notifctn: 10000043
 Costs: 0 IDR
 PMActType: 003 Repair
 SystCond.:
 Address:

Dates:
 Bsc start: 10.12.2017 Priority:
 Basic fin.: 10.12.2017 Revision:

Reference object:
 Func. Loc.: MR01-MRY-AA Multi Rental Meruya - Gedung AA
 Equipment: 10000068 Expander 1500 CC
 Assembly:

First operation:
 Operation: Ganti ban CcKey: 1 Calculate duration
 WkCtr/Plnt: YAN.Y / D002 Ctrl key: ZPM1 Acty Type:
 Work durtn: 1,0 HR Number: 1 Oprtn dur.: 1,0 HR
 Person. no: 0



Maintenance Order

PT MULTI RENTALINDO

WORK ORDER FORM

Page : 1 of 1

Order Number : 10-300000000
 Order Type : MR02 Maintenance Order MR (Internal)
 Start Date : 10.04.2018
 Start Time : 10:21:00
 Finish Date : 10.04.2018
 Finish Time : 10:44:00
 Vendor : ...
 Equipment Number : 1000000000
 Equipment Description : Honda BRV Prestige
 Plate Number : B 1234 MRI
 Customer : ...
 Site : MR02 - ST MR JKT MERUYA
 Kilometer : ... KM
 Equipment Category : Item Objects

CONFIRMATION

Operation : 0010 - Ganti kampas rem check mesin
 Work Centre : MR02LM01 - Mechanic Van
 Start Date : 10.04.2018 - 10:21:58
 Finish Date : 10.04.2018 - 10:44:00
 Act Work Center : ...
 Plan Work : 0.1
 Confirmation text : ...
 Activity Type : ...
 Act Start Date : ...
 Act Finish Date : ...
 Duration : ...
 Act Work : ...

- ✓ What to do?
- ✓ What article/spare parts are needed?
- ✓ Who's working (PIC) on it?
- ✓ Which equipment need to service?
- ✓ When and where to do service?
- ✓ Planned cost and actual cost
- ✓ Cost center
- ✓ Actual activity and confirmation

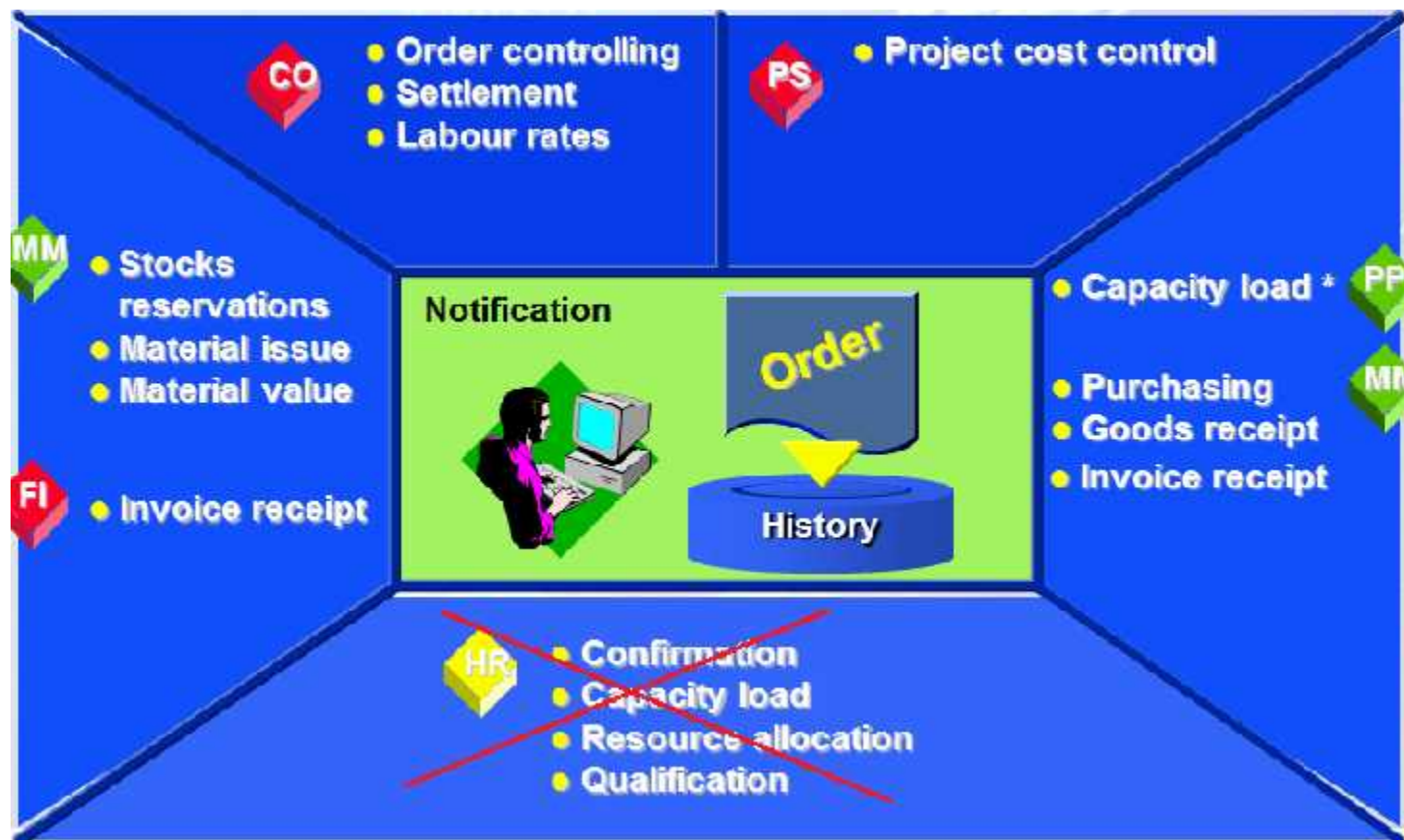
PT MULTI RENTALINDO

Order Number : 10-300000000
 Order Type : MR02 Maintenance Order MR (Internal Service)
 Start Date : 10.04.2018
 Start Time : 10:21:58
 Finish Date : 10.04.2018
 Finish Time : 10:44:00
 Equipment Number : 1000000000
 Equipment Description : Honda BRV Prestige
 Plate Number : B 1234 MRI
 Customer : ...
 Site : MR02

Item Component	Component Description	Plan Quantity	Cost	Actual Qty	Actual Cost	Remark
0001 10011800	KAMPAS REM	1	100			

Approval : _____
 Description & Remark : _____
 Return Date : _____



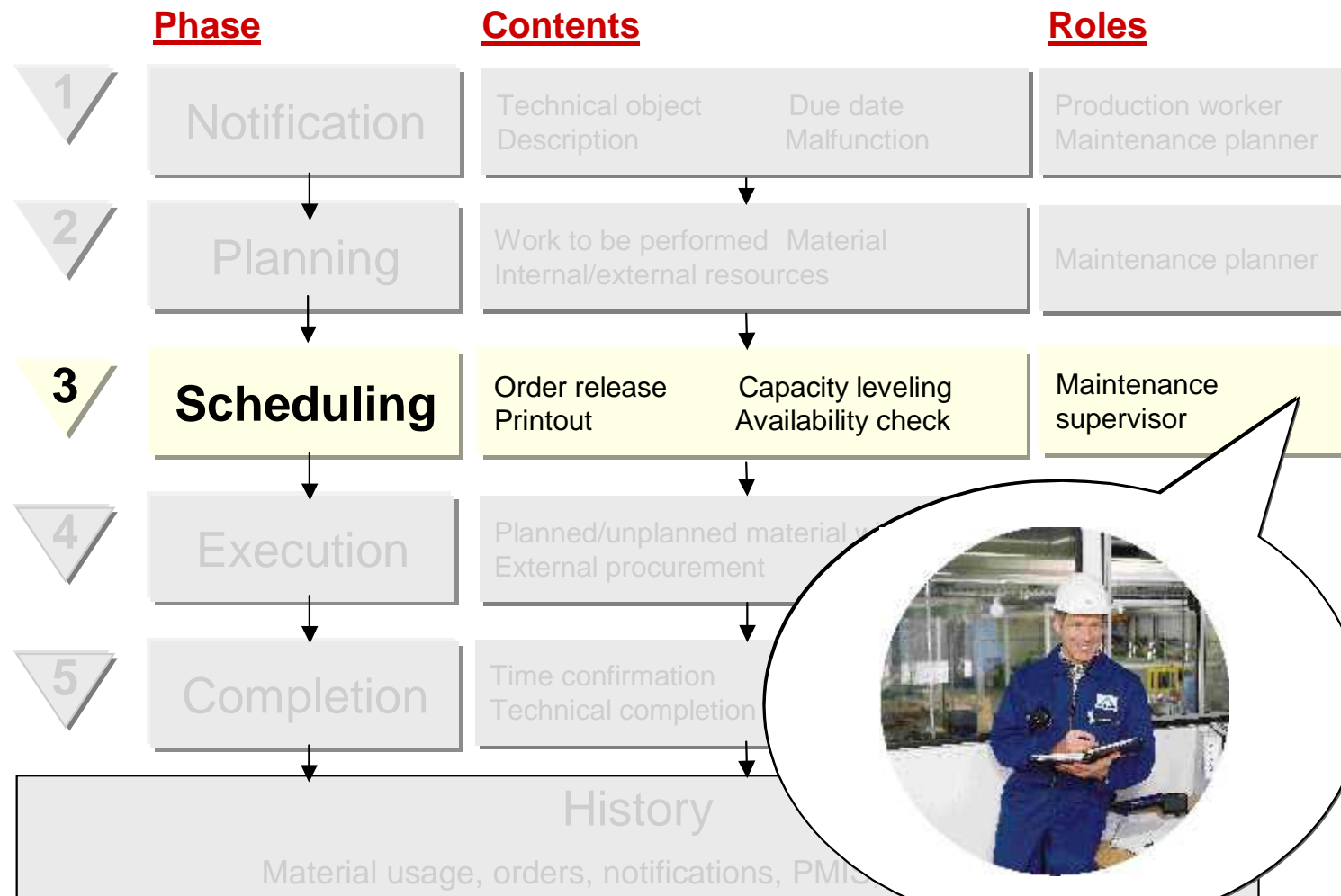




Maintenance Order Type

Order Type	Description	Use
MR01	Maintenance order (For Customer)	Maintain performance for customer object
MR02	Maintenance order (Internal Service)	Maintain performance that used to internal MRI
MR03	Maintenance order (Rental)	Maintain driver performance for vehicle rent.
MR04	Preventive Order	Maintain performance for preventive order.





Effects of order release:

Reservation effective,
can be withdrawn

Papers can be printed

Confirmation possible

Goods movement possible

Print MO

PT MULTI RENTALINDO

WORK ORDER FORM

Page : 1 of 1

Order Number : 101300000000
 Order Type : MR02 - Maintenance Order MRI (Internal)
 Start Date : 10.04.2018
 Start Time : 10:21:00
 Finish Date : 10.04.2018
 Finish Time : 13:44:00
 Vehicle :
 Equipment Number : 1000000000
 Equipment Description : Honda BRV Breda
 Plate Number : B 1234 MRI
 Customer :
 Site : MR02 - ST MRI JKT MERJAYA
 Kilometer : KM
 Equipment Category : Fleet Objects

CONFIRMATION

Operation : 0010 - Ganti kampas rem, check mesin
 Work Centre : MR02/M01 Mechanic Yan
 Activity type :
 Start Date : 10.04.2018 - 10:21:00
 Act. Start Date : Act. Start Time :
 Finish Date : 10.04.2018 - 13:44:00
 Act. Finish Date : Act. Finish Time :
 Act. Work Center :
 Duration :
 Pen. Work : 3 H
 Act. Work :
 Confirmation text :

PICK LIST FORM

PT MULTI RENTALINDO

Order Number : 101300000000
 Order Type : MR02 Maintenance Order MRO (Internal Service)
 Start Date : 10.04.2018
 Start Time : 10:21:00
 Finish Date : 10.04.2018
 Finish Time : 13:44:00
 Equipment Number : 1000000000
 Equipment Descr. : Honda BRV Breda
 Plate Number : B 1234 MRI
 Customer :
 Site : MR02

GOOD ISSUE

Item	Component	Component Description	Plan Qty	Unit	Actual Qty	Return Qty	Remark
0001	10071569	KAMPAS REM	1	EA			

Foreman

Service Advisor

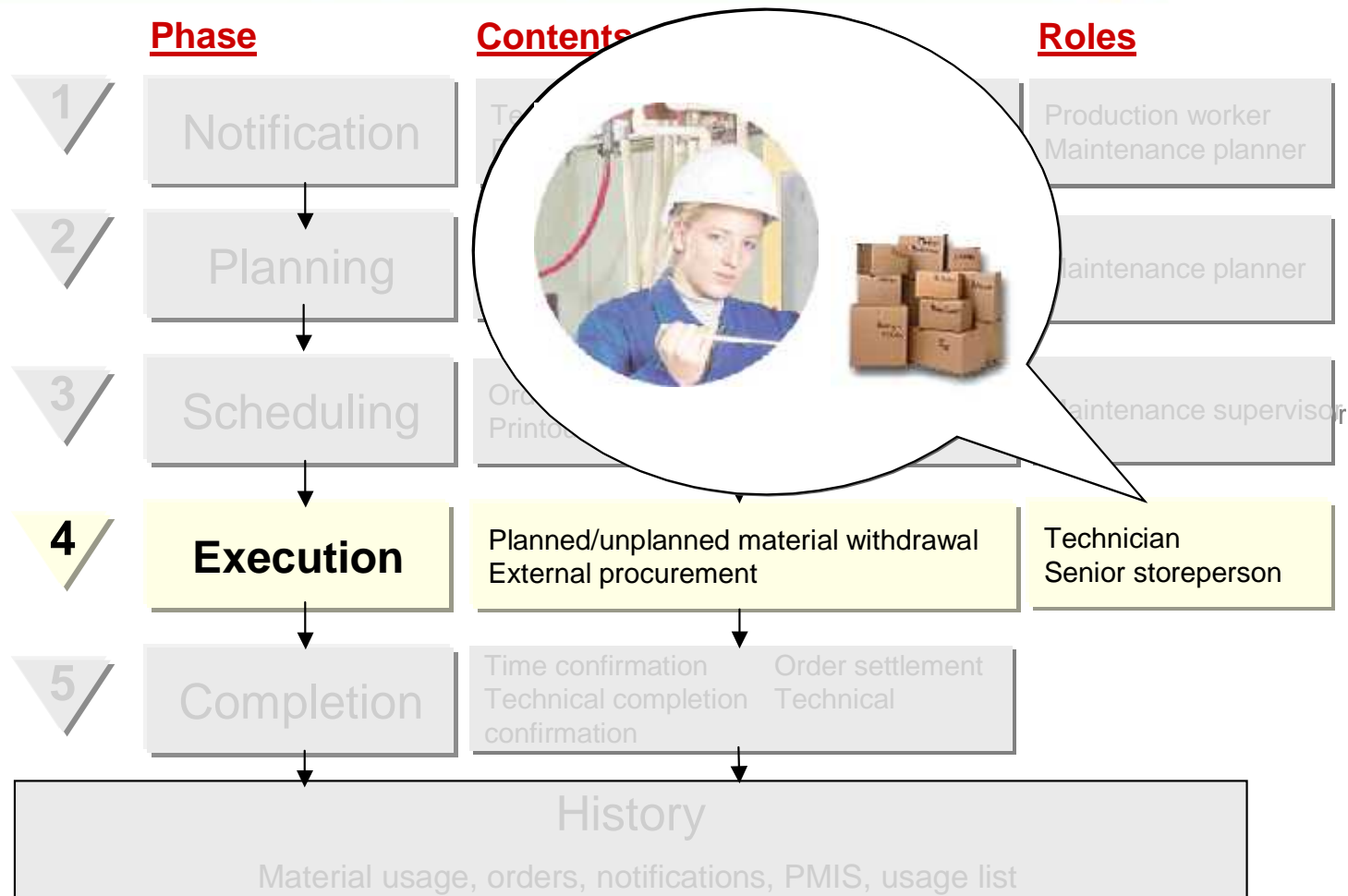
Warehouse

()

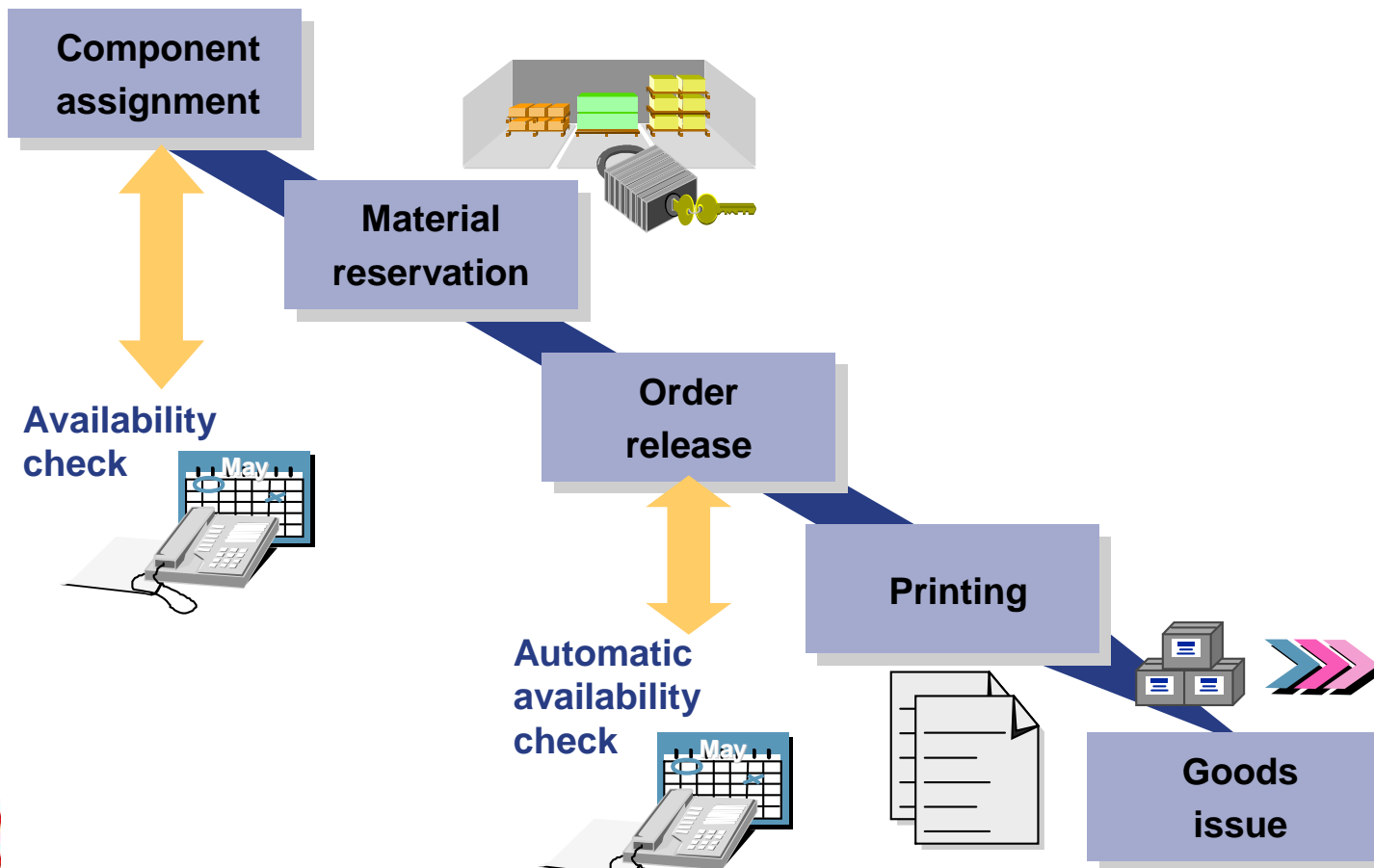
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()





Stock Material-Process Flow



Non Stock Material- Process Flow





Execution

Enter PM Order Confirmation: Actual Data

[Goods Movements](#)
[Notification](#)
[Object List](#)
[Measurement Documents](#)

Order: 200078 Ban Bocor
 Oper./ActL: 0010 Ganti ban
 System Status: REL

Confirmation Data

Confirmation: 1322
 Work Center: YAN.Y D002 Mechanic
 Personnel no.:
 Actual Work: 1,5 FR Activity Type: Wage Type: Posting date: 10.12.2017
☒ Final Confirm ☒ No Remain. Work
☒ Clear Open Res. Remaining Work: Actg Indicator:
 Work Start: 10.12.2017 08:00:00 Actual Duration: HR
 Work Finish: 10.12.2017 09:30:00 Forecast End: 24:00:00
 Reason:
 Confirm. text: ☐ Long text exists

Total Confirmation Data

Cum. Actual Work: 0,0 HR ActDuratn: 0,0 HR
 Forecast work: 0,0 FR Planned Dur.: 0,0 HR
 Actual Start: 00:00:00 Actual End: 00:00:00

Confirmation of Maintenance Order Enter : Goods Movements

Order: 200078 Ban Bocor
 Oper./ActL: 0010 Ganti ban

Goods Movements Overview

Article	Description	Quantity	E...	Site	Sto...	Batch
10003056	Ban		2 EA	D002		

Actual service duration, scheduling and component





MO – Costing

Display Maintenance Order - MR 200078: Cost Overview

Order: ZPM1 200078 Ban Bocor

Sys.Status: REL CNF GMP3 MANC PRG BLTC

HeaderData | Operations | Components | **Costs** | Partner | Objects | Additional Data | Location

Estimated costs: 0 IDR

Val.in Object Curr. IDR

Val.in CoAreaCurr. IDR

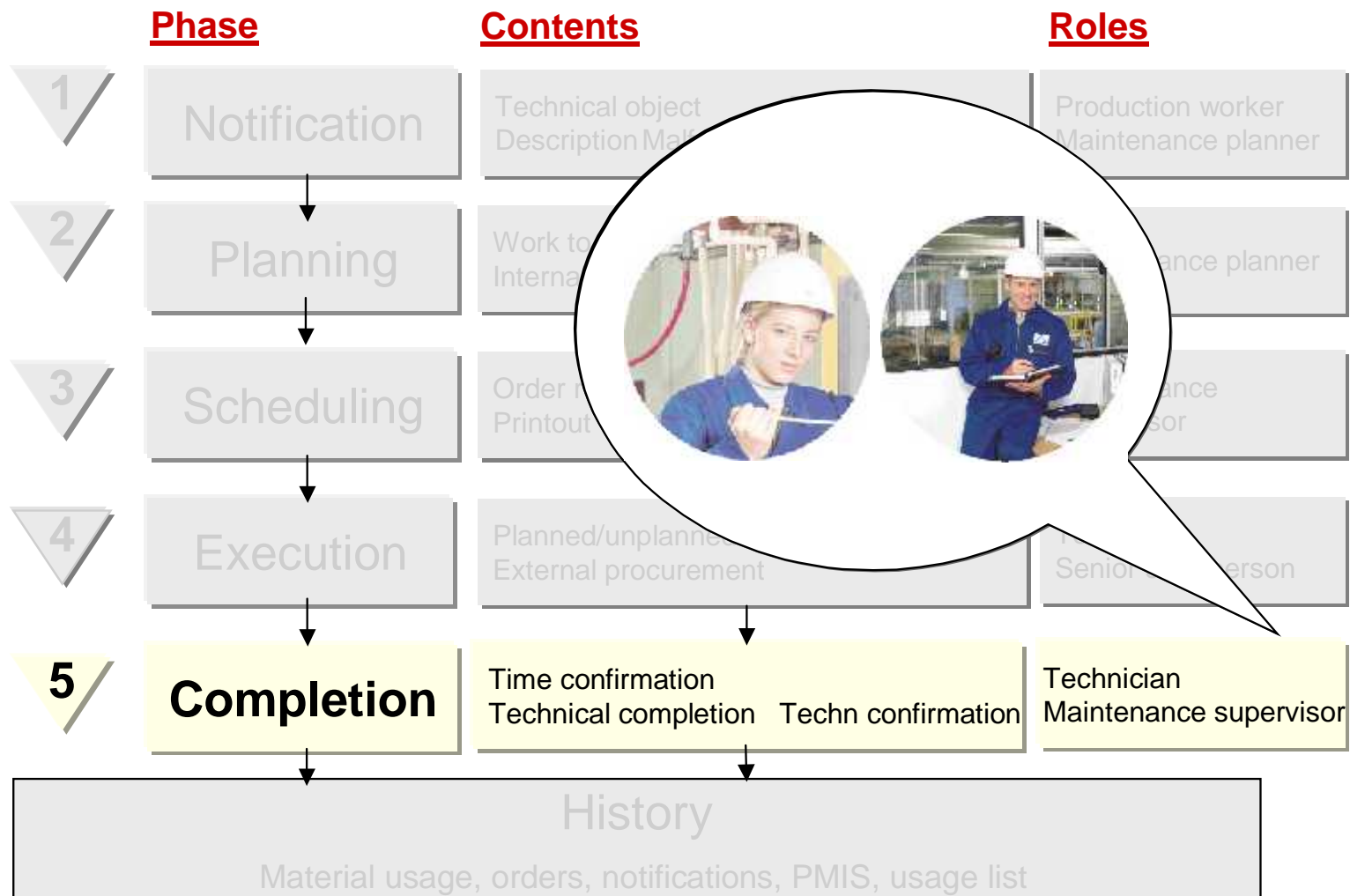
Rep. Plan/Act. Rep. Budget/Commit.


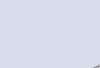
Overview | **Costs** | Quantities | Key figures



Group/Descrptn	Plan costs	Act. costs	C...
Costs	100.000	100.000 IDR	
internal activity	100.000	100.000 IDR	

Plan and actual cost.









Order 901760

Limited ability to change order

Status 'Technically completed'


Determine location and account assignment data



Create settlement rule



Set deletion flag for purchase requisitions

Close open reservations

Close open capacities











Historical Maintenance

Display PM orders: List of Orders

Order Operations

S	Equipment	Order	Type	Bas. start date	Description	Site	Responsible Cctr	SG	Mn.wk.ctr	Cost Center	Notification
	10000068	200078	ZPM1	10.12.2017	Ban Bocor	D002	D0020099	123	YAN.Y	D0020099	10000043
	10000068	200079	ZPM1	01.12.2017	Starter rusak	D002	D0020099	123	YAN.Y	D0020099	
	10000068	200080	ZPM1	05.12.2017	Service Berkala	D002	D0020099	123	YAN.Y	D0020099	



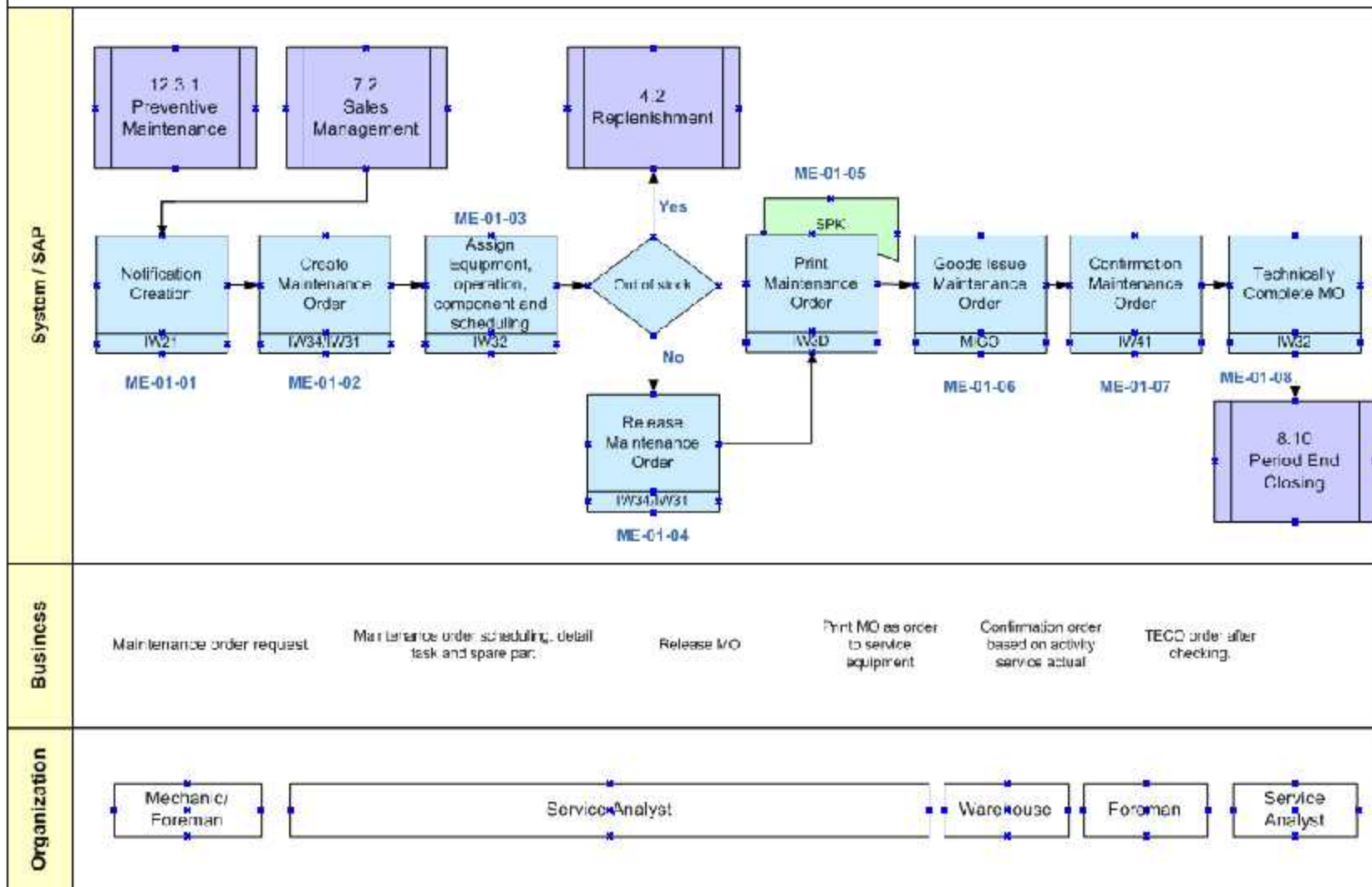


PROCESS FLOW



1. INTERNAL SERVICE

12.2.1 MAINTENANCE ORDER PROCESSING





Notification Creation

Change PM Notification: Malfunction Report

Partner

Notification: 10000001 Z2 Service rem rusak

Notific. Status: NOPR ORAS

Order: 102100001

Notification | Reference object | Malfunction, breakdown | Location data | Items | Tasks | Activities

Reference object

Functional loc.	MR30-MRYA-SHORTTERM	Functional Location Meruya
Equipment	20000000000	Mobilio 1500 CC
Assembly		





MO Creation

Change Maintenance order (Internal Service) 102100008:

Complete (business)

Order: ZFM2 102100008 Service Internal Agya (Ganti Kampas Rem)

Sys.Status: REL PCNF MACH PRC SETC

Header Data | Operations | Components | Costs | Objects | Additional Data | Location | Planning

Person responsible:

PlannerGrp: / MR30

Mn.wk.ctr: MR30T.M01 / MR30 Mechanic Yan

Notifctn: [icon]

Costs: 0 TDR

PMActType: 801 [icon]

SystCond.:

Dates:

Dsc start: 08.02.2018 13:27

Dsc fin.: 08.02.2018 14:34

Priority: [dropdown]

Revision: [input]

Reference object:

Func. Loc.: MR30 MRYA - SHORTERY Functional Location Meruya

Equipment: 2000000001 Agya 1000 CC

Assembly: [input]

First operation:

Operation: Ganti kampas rem

WkCtr/Plnt: MR30T.M01 / MR30

Ctrl key: ZPM1 Acty Type: DT.001

Work durtn: 1 H Number: 1 Oprtn dur.: 1 H

Cckey: 1 Calculate duration

[PRT] [Comp.]



Print MO

20.02.2010 Job Ticket YAN.Y Original Page 1

Order	102100001	Ganti kampas rem	
<i>Func. location</i>	MR30-MRYA-SHORTTERM	<i>Functional Location</i> Menya	
<i>Equipment</i>	2000000000	<i>Modelle</i> 1500 CC	
<i>Assembly</i>			
<i>PM planner grt</i>		<i>Pld plan</i>	MR30
<i>Main work cntr</i>	MR30LM02 MR30	<i>Mechanic</i>	Yohanna
Operation	0010	Tsi angin, check starter, check rem	
<i>Status</i>	REL		
<i>Work center</i>	MR30LM02 MR30	<i>Mechanic</i>	Yohanna
<i>Control key</i>	APM1	<i>Confirmation number</i>	1965
<i>Operation key</i>		<i>Milestone</i>	
<i>Func. location</i>			
<i>Equipment</i>			
<i>Work</i>	3 H	<i>Activity type</i>	
<i>Duration</i>	3 H	<i>Number</i>	1
<i>Earliest start date</i>	16.01.2018	<i>Start time</i>	15:56:07
<i>Latest end date</i>	17.01.2018	<i>End time</i>	10:18:37
<i>Actual labor</i>	0 H	<i>Total cost</i>	0 H
Material	10048848	4 EA	
	Kampas Rem		
<i>Purchase requisition</i>		<i>Formating text</i>	REL
<i>Reservation number</i>	3898	<i>Plant / storage location</i>	MR30 /
<i>Unloading point</i>		<i>Goods recipient</i>	

End of report



Confirmation and Issue

Enter PM Order Confirmation: Actual Data

Goods Movements Notification Object List Measurement Documents

Order 102100001 Ganti kampas rem
 Oper./Act. 0010 Isi angin, check starter, check rem
 System Status REL

Confirmation Data

Confirmation 1965
 Work Center MR30LM02 MR30 Mechanic Yohanna
 Personnel no.
 Actual Work 4 H Activity Type DL001 Wage Type
 Posting date 20.02.2018
☐ Final Confirmtn ☐ No Remain. Work Acctg Indicator
☐ Clear Open Res. Remaining Work
 Work Start 08.02.2018 08:00:00 Actual Duration
 Work Finish 08.02.2018 12:00:00 Forecast End 24:00:00
 Reason
 Confirm. text ☐ Long text exists

Confirmation of Maintenance Order Enter : Goods Movements

Order 102100001 Ganti kampas rem
 Oper./Act. 0010 Isi angin, check starter, check rem

Goods Movements Overview

Article	Description	Quant...	E...	Site	Sto...	Batch	Valuation T...	Item	D...	M...	Rr
10048848	Kampas Rem	4	EA	MR30	1000			10	H	261	PT



Technically Complete

Change Maintenance order (Internal Service) 102100001: Central Header

Complete (business)

Order

Sys.Status PCNF GMPS MACH SETC

HeaderData Operations Components Costs Objects Additional Data Location Planning Control

Person responsible

PlannerGrp / MR30

Mn.wk.ctr / MR30 Mechanic Yohanna

Notifctn

Costs IDR

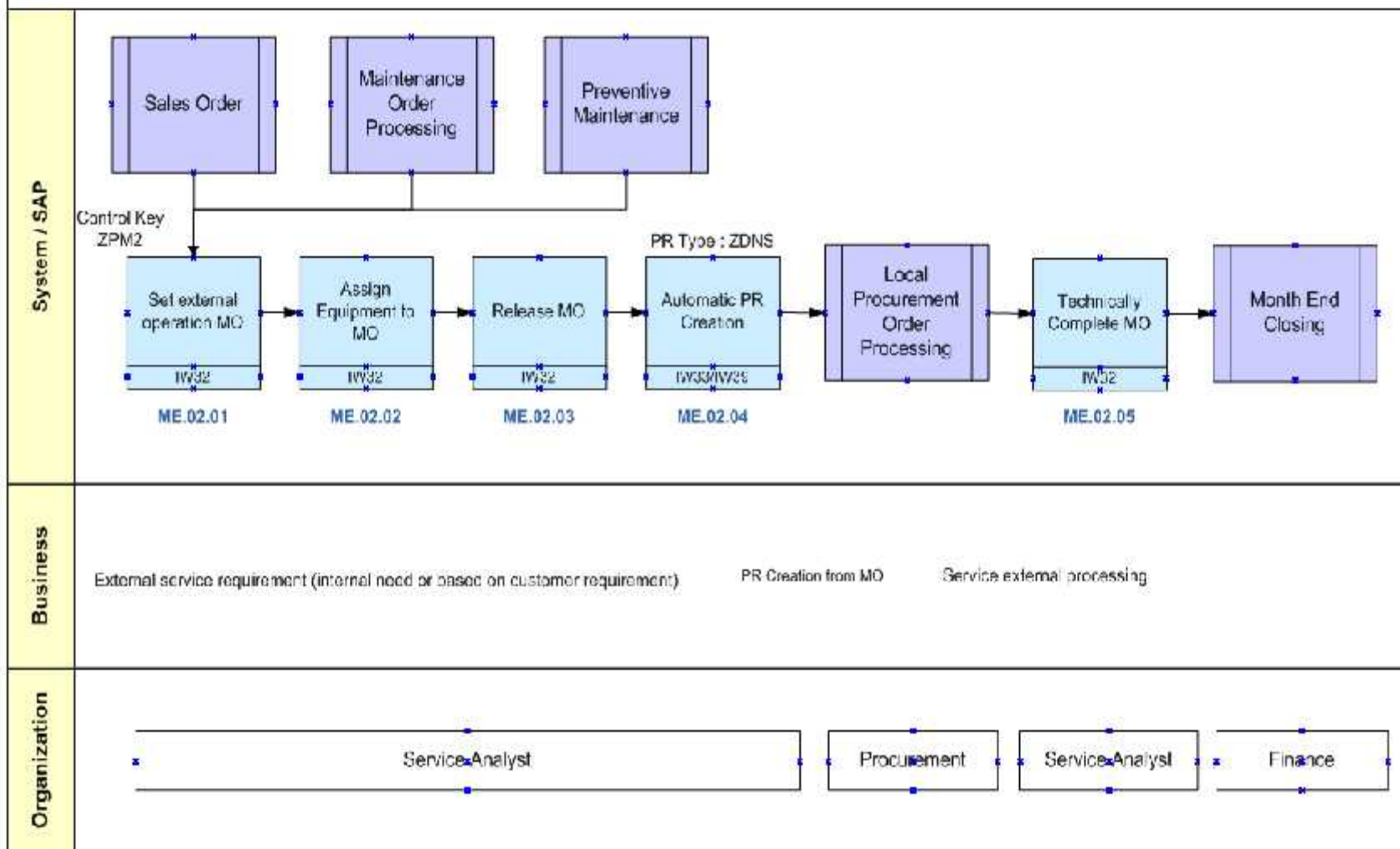
PMActType

SystCond.



2. Service External Processing

12.2.2 EXTERNAL OPERATION PROCESSING (PR CREATION FROM MO)





External Processing

Display Maintenance Order - MR 200085: Operation

MO Creation

Order: ZPM1 200085 Service ke pihak ketiga
Sys. Status: REL NMAT PRO

Header Data Operations Components Costs Partner Objects Additional Data

OpAc	SOp	Work ctr	Site	Co...	StTextK	S...	Operation short text
0010		YAN.Y	D002	ZPM2			Sewa jasa service pihak ketiga

Control Key Selection

Control Key Overview

S...	Contr...	Text for Control Key	External Processing
0010		Plant maintenance - external	+ Externally..

Display Maintenance

Order: 200085
StrTextKey/StrText: Sewa

General Internal External Dates

Completion confirmation

Confirmation: 1329
☐ No Remaining Work

Purchasing

Requisition: 1100000742 10
Res./Purch. req.: 3 Immediately

Display Purchase Req. 1100000742

Automatic PR

Document Overview On Personal Setting

ZDNS Non Stock PR 1100000742

Header

Default Values

Sta...	Item A	I	Article	Short Text	Quantity	Unit	C	Delivery Date	Matse Catgry	Site
	10 F			Sewa jasa service pihak ketiga	1	H	D	05.12.2017	Service & Tu...	WH GDR CIKA...





External Processing

Local PO 4100003625 Created by YAN.Y

Document Overview On Messages

ZLCL Local PO 4100003625 Vendor 1001001821 MATRASTAMA MAEST

Header

S...	Itm	Article	Short Text	Deliv. Date	Net Price	Currency	Purchase Req.
	10		Sewa jasa service pihak keti	05.12.2017	7,09	USD	1100000742

3 Convert PR to PO

Item 1 [10] Sewa jasa service pihak ketiga

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions Ac

AccAssCat F Order Distribution Single account assignment

Unloading Point Recipient

G/L Account 60003020

CO Area KLGC

Cost Center

Order 200085

Profit Center D002

Local PO 4100003625 Created by YAN.Y

Document Overview On Messages

ZLCL Local PO 4100003625 Vendor 1001001821 MATRASTAMA MAEST Doc. date

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data Org. Data

Net 7,09 USD





External Processing

Local PO 4100003625 Created by YAN.Y

Document Overview On **4** **GR PO**

ZLCL Local PO 4100003625 Vendor 1001001821 MATRASTAMA MAES

Header

S...	Itm	A	I	Article	Short Text	PO Quantity	O...	C Deliv
	10	F			Sewa jasa service pihak keti...		1H	D 05...

Item 1 [10] Sewa jasa service pihak ketiga

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions Ac

Short Text	MvT	Article Document	Item	Posting Date	* Amount in LC *	Amount	Crcy
WE	101	5000006713	1	14.12.2017	99.969	7,09	USD
WE					99.969	7,09	USD

Display Maintenance Order - MR 200085

5 **Biaya PO masuk ke dalam MO**

Order ZPM1 200085 Service ke pihak ketiga

Sys.Status REL GMPS NMAT PRC

HeaderData Operations Components Costs Partner Object

Estimated costs 0 IDR

Rep. Plan/Act. Rep. Budget/Commit.

Overview Costs Quantities Key figures

Group/Ds...	Act. costs	C...
* Costs	99.969	IDR
*	99.969	IDR

Display Operations: List of Order Operations

6 **Reporting**

S	Order	OpAc	Work ctr	Operation short text	Purchase Req.
	200085	0010	YAN.Y	Sewa jasa service pihak ketiga	1100000742





THANK YOU



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